

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
Census data selected 2000
Data Base Selected ./data_files/pt_tvdb.sff

WARNING WARNING WARNING

The following list of station records has been excluded from the analysis due to the fact that they have the same state, city and channel as the proposed station - This could cause the program to not find a potential fail situation

You can force the program to include these records by setting the state of the proposed record to ZZ and re-running the analysis

WPNE-TV 42 GREEN BAY WI BMLEDT 20040818AAP

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 12-20-2012 Time: 10:56:06

Record Selected for Analysis

WPNE-TV- USERRECORD-01 GREEN BAY WI US
Channel 42 ERP 300. kW HAAT 373. m RCAMSL 00599 m
Latitude 044-24-34 Longitude 0088-00-06
Status APP Zone 2 Border Site number: 01
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number	1			
Azimuth	ERP	HAAT	41.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	300.000	419.2	96.6	
45.0	300.000	374.4	93.7	
90.0	300.000	352.3	91.9	
135.0	300.000	328.5	89.4	
180.0	300.000	320.2	88.5	
225.0	300.000	381.8	94.2	
270.0	300.000	403.3	95.6	
315.0	300.000	405.9	95.8	

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
to Class A stations from site # 01

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WPNE-TV- 42 GREEN BAY WI USERRECORD01 Site # 01

and station

SHORT TO: WPNE 42 GREEN BAY WI DTVPLN DTVP1527
44 -24-34 88 -00-06
Req. separation 223.7 Actual separation 0.0 Short 223.7 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE from Site # 01

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
Distance to border = 352.2km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station	Call	City/State	ARN
42	WPNE-TV-	GREEN BAY WI		USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WGBA-TV	GREEN BAY WI	5.9	LIC	BLCDT	20080813ADO
41	WGBA-TV	GREEN BAY WI	5.9	CP MOD	BMPCDT	20080620AEI
42	KIMT	MASON CITY IA	390.6	LIC	BLCDT	20090331ACH
42	WQRF-TV	ROCKFORD IL	254.1	LIC	BLCDT	20070404ABY
42	WNDU-TV	SOUTH BEND IN	343.9	LIC	BLCDT	20120514ACQ
43	WWRP-TV	MAYVILLE WI	116.0	LIC	BLCDT	20050825AEW
43	WWRP-TV	MAYVILLE WI	116.0	CP MOD	BMPCDT	20120430ABR
43	WWRP-TV	MAYVILLE WI	116.0	APP	BPCDT	20080618ATT

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	WGBA-TV	GREEN BAY WI	BLCDT	-20080813ADO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WPXE-TV	KENOSHA WI	140.5	LIC	BLCDT	-20040206AAT
41	KGCW	BURLINGTON IA	426.1	LIC	BLCDT	-20081120ABD
41	WIFR	FREEPORT IL	248.6	CP MOD	BMPCDT	-20050103AFQ
41	WIFR	FREEPORT IL	248.6	LIC	BLCDT	-20081223ACE
41	WIFR-DR	FREEPORT IL	248.6	APP	BPRM	-20080620AOH
42	WPNE	GREEN BAY WI	5.9	PLN	DTVPLN	-DTVP1527
42	WPNE-TV-	GREEN BAY WI	5.9	APP	USERRECORD-01	

Total scenarios = 6

Result key: 1
Scenario 1 Affected station 1
Before Analysis

Results for: 41A WI GREEN BAY BLCDT 20080813ADO LIC
HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7196	193.4

lost to ATV IX only	7196	193.4
lost to all IX	7196	193.4

Potential Interfering Stations Included in above Scenario 1

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BMPCDT	20050103AFQ	CP
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 41A WI GREEN BAY BLCDT 20080813ADO LIC
 HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7688	237.7
lost to ATV IX only	7688	237.7
lost to all IX	7688	237.7

Potential Interfering Stations Included in above Scenario 1

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BMPCDT	20050103AFQ	CP
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0463%

Result key: 2
 Scenario 2 Affected station 1
 Before Analysis

Results for: 41A WI GREEN BAY BLCDT 20080813ADO LIC
 HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7196	193.4
lost to ATV IX only	7196	193.4
lost to all IX	7196	193.4

Potential Interfering Stations Included in above Scenario 2

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BLCDT	20081223ACE	LIC
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 41A WI GREEN BAY BLCDT 20080813ADO LIC
 HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0

lost to NTSC IX	0	0.0
lost to additional IX by ATV	7688	237.7
lost to ATV IX only	7688	237.7
lost to all IX	7688	237.7

Potential Interfering Stations Included in above Scenario 2

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BLCDT	20081223ACE	LIC
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0463%

Result key: 3
 Scenario 3 Affected station 1
 Before Analysis

Results for: 41A WI GREEN BAY BLCDT 20080813ADO LIC
 HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7305	205.5
lost to ATV IX only	7305	205.5
lost to all IX	7305	205.5

Potential Interfering Stations Included in above Scenario 3

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BMPCDT	20050103AFQ	CP
41A IL FREEPORT	BPRM	20080620AOH	APP
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 41A WI GREEN BAY BLCDT 20080813ADO LIC
 HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7777	245.8
lost to ATV IX only	7777	245.8
lost to all IX	7777	245.8

Potential Interfering Stations Included in above Scenario 3

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BMPCDT	20050103AFQ	CP
41A IL FREEPORT	BPRM	20080620AOH	APP
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0445%

Result key: 4

Scenario 4 Affected station 1
Before Analysis

Results for: 41A WI GREEN BAY BLCDT 20080813ADO LIC
HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7196	193.4
lost to ATV IX only	7196	193.4
lost to all IX	7196	193.4

Potential Interfering Stations Included in above Scenario 4

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BMPCDT	20050103AFQ	CP
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 41A WI GREEN BAY BLCDT 20080813ADO LIC
HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7688	237.7
lost to ATV IX only	7688	237.7
lost to all IX	7688	237.7

Potential Interfering Stations Included in above Scenario 4

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BMPCDT	20050103AFQ	CP
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0463%

Result key: 5
Scenario 5 Affected station 1
Before Analysis

Results for: 41A WI GREEN BAY BLCDT 20080813ADO LIC
HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7305	205.5
lost to ATV IX only	7305	205.5
lost to all IX	7305	205.5

Potential Interfering Stations Included in above Scenario 5

40A WI KENOSHA	BLCDT	20040206AAT	LIC
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41A IL FREEPORT	BLCDT	20081223ACE	LIC
41A IL FREEPORT	BPRM	20080620AOH	APP
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 41A WI GREEN BAY BLCDT 20080813ADO LIC

HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7777	245.8
lost to ATV IX only	7777	245.8
lost to all IX	7777	245.8

Potential Interfering Stations Included in above Scenario 5

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BLCDT	20081223ACE	LIC
41A IL FREEPORT	BPRM	20080620AOH	APP
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0445%

Result key: 6
 Scenario 6 Affected station 1
 Before Analysis

Results for: 41A WI GREEN BAY BLCDT 20080813ADO LIC

HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7196	193.4
lost to ATV IX only	7196	193.4
lost to all IX	7196	193.4

Potential Interfering Stations Included in above Scenario 6

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BLCDT	20081223ACE	LIC
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 41A WI GREEN BAY BLCDT 20080813ADO LIC

HAAT 297.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069323	25108.2
not affected by terrain losses	1068981	25084.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7688	237.7
lost to ATV IX only	7688	237.7
lost to all IX	7688	237.7

Potential Interfering Stations Included in above Scenario 6

40A WI KENOSHA BLCDT 20040206AAT LIC
41A IL FREEPORT BLCDT 20081223ACE LIC
42A WI GREEN BAY USERRECORD01 APP

Percent new IX = 0.0463%

Worst case new IX 0.0463% Scenario 1

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel Call City/State Application Ref. No.
41 WGBA-TV GREEN BAY WI BMPCDT -20080620AEI

Stations Potentially Affecting This Station

Chan Call City/State Dist(km) Status Application Ref. No.
40 WPXE-TV KENOSHA WI 140.5 LIC BLCDT -20040206AAT
41 KGCW BURLINGTON IA 426.1 LIC BLCDT -20081120ABD
41 WIFR FREEPORT IL 248.6 CP MOD BMPCDT -20050103AFQ
41 WIFR FREEPORT IL 248.6 LIC BLCDT -20081223ACE
41 WIFR-DR FREEPORT IL 248.6 APP BPRM -20080620AOH
42 WPNE GREEN BAY WI 5.9 PLN DTVPLN -DTV1527
42 WPNE-TV- GREEN BAY WI 5.9 APP USERRECORD-01

Total scenarios = 6

Result key: 7
Scenario 1 Affected station 2
Before Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080620AEI CP

HAAT 367.0 m, ATV ERP 1000.0 kW

Table with 3 columns: Description, POPULATION, AREA (sq km). Rows include: within Noise Limited Contour, not affected by terrain losses, lost to NTSC IX, lost to additional IX by ATV, lost to ATV IX only, lost to all IX.

Potential Interfering Stations Included in above Scenario 1

40A WI KENOSHA BLCDT 20040206AAT LIC
41A IL FREEPORT BMPCDT 20050103AFQ CP
42A WI GREEN BAY DTVPLN DTV1527 PLN

After Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080620AEI CP
HAAT 367.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106915	27736.0
not affected by terrain losses	1106378	27695.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10032	306.3
lost to ATV IX only	10032	306.3
lost to all IX	10032	306.3

Potential Interfering Stations Included in above Scenario 1

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BMPCDT	20050103AFQ	CP
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0013%

Result key: 8
Scenario 2 Affected station 2
Before Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080620AEI CP
HAAT 367.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106915	27736.0
not affected by terrain losses	1106378	27695.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10314	314.4
lost to ATV IX only	10314	314.4
lost to all IX	10314	314.4

Potential Interfering Stations Included in above Scenario 2

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BLCDT	20081223ACE	LIC
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080620AEI CP
HAAT 367.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106915	27736.0
not affected by terrain losses	1106378	27695.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10314	318.4
lost to ATV IX only	10314	318.4
lost to all IX	10314	318.4

Potential Interfering Stations Included in above Scenario 2

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BLCDT	20081223ACE	LIC
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 9
Scenario 3 Affected station 2
Before Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080620AEI CP
HAAT 367.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106915	27736.0
not affected by terrain losses	1106378	27695.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10822	342.6
lost to ATV IX only	10822	342.6
lost to all IX	10822	342.6

Potential Interfering Stations Included in above Scenario 3

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BMPCDT	20050103AFQ	CP
41A IL FREEPORT	BPRM	20080620AOH	APP
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080620AEI CP
HAAT 367.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106915	27736.0
not affected by terrain losses	1106378	27695.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10822	346.6
lost to ATV IX only	10822	346.6
lost to all IX	10822	346.6

Potential Interfering Stations Included in above Scenario 3

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BMPCDT	20050103AFQ	CP
41A IL FREEPORT	BPRM	20080620AOH	APP
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 10
Scenario 4 Affected station 2
Before Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080620AEI CP
HAAT 367.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106915	27736.0
not affected by terrain losses	1106378	27695.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10018	298.2

lost to ATV IX only	10018	298.2
lost to all IX	10018	298.2

Potential Interfering Stations Included in above Scenario 4

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BMPCDT	20050103AFQ	CP
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080620AEI CP
 HAAT 367.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106915	27736.0
not affected by terrain losses	1106378	27695.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10032	306.3
lost to ATV IX only	10032	306.3
lost to all IX	10032	306.3

Potential Interfering Stations Included in above Scenario 4

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BMPCDT	20050103AFQ	CP
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0013%

Result key: 11
 Scenario 5 Affected station 2
 Before Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080620AEI CP
 HAAT 367.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106915	27736.0
not affected by terrain losses	1106378	27695.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10822	342.6
lost to ATV IX only	10822	342.6
lost to all IX	10822	342.6

Potential Interfering Stations Included in above Scenario 5

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BLCDT	20081223ACE	LIC
41A IL FREEPORT	BPRM	20080620AOH	APP
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080620AEI CP
 HAAT 367.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106915	27736.0

not affected by terrain losses	1106378	27695.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10822	346.6
lost to ATV IX only	10822	346.6
lost to all IX	10822	346.6

Potential Interfering Stations Included in above Scenario 5

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BLCDT	20081223ACE	LIC
41A IL FREEPORT	BPRM	20080620AOH	APP
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 12
Scenario 6 Affected station 2
Before Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080620AEI CP
HAAT 367.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106915	27736.0
not affected by terrain losses	1106378	27695.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10314	314.4
lost to ATV IX only	10314	314.4
lost to all IX	10314	314.4

Potential Interfering Stations Included in above Scenario 6

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BLCDT	20081223ACE	LIC
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 41A WI GREEN BAY BMPCDT 20080620AEI CP
HAAT 367.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1106915	27736.0
not affected by terrain losses	1106378	27695.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	10314	318.4
lost to ATV IX only	10314	318.4
lost to all IX	10314	318.4

Potential Interfering Stations Included in above Scenario 6

40A WI KENOSHA	BLCDT	20040206AAT	LIC
41A IL FREEPORT	BLCDT	20081223ACE	LIC
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0013% Scenario 1

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	KIMT	MASON CITY IA	BLCDT	-20090331ACH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	WQRF-TV	ROCKFORD IL	316.9	LIC	BLCDT	-20070404ABY
42	KSAX	ALEXANDRIA MN	315.1	LIC	BLCDT	-20090622ACC
42	WPNE	GREEN BAY WI	390.6	PLN	DTVPLN	-DTVP1527
43	KFXB-TV	DUBUQUE IA	200.3	LIC	BLCDT	-20090528AEV
42	WPNE-TV-	GREEN BAY WI	390.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WQRF-TV	ROCKFORD IL	BLCDT	-20070404ABY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	KGCW	BURLINGTON IA	186.7	LIC	BLCDT	-20081120ABD
41	WIFR	FREEPORT IL	1.0	CP MOD	BMPCDT	-20050103AFQ
41	WIFR	FREEPORT IL	1.0	LIC	BLCDT	-20081223ACE
41	WIFR-DR	FREEPORT IL	1.0	APP	BPRM	-20080620AOH
42	KIMT	MASON CITY IA	316.9	LIC	BLCDT	-20090331ACH
42	WICS	SPRINGFIELD IL	277.1	LIC	BLCDT	-20050627AAI
42	WCLJ-TV	BLOOMINGTON IN	409.1	LIC	BLCDT	-20090616ABL
42	WNDU-TV	SOUTH BEND IN	256.0	LIC	BLCDT	-20120514ACQ
42	WPNE	GREEN BAY WI	254.1	PLN	DTVPLN	-DTVP1527
43	KFXB-TV	DUBUQUE IA	121.7	LIC	BLCDT	-20090528AEV
43	WCPX-TV	CHICAGO IL	133.9	APP	BPCDT	-20080619AIL
43	WCPX-TV	CHICAGO IL	134.5	LIC	BLCDT	-20010226ABH
43	WWRS-TV	MAYVILLE WI	138.1	LIC	BLCDT	-20050825AEW
43	WWRS-TV	MAYVILLE WI	138.1	CP MOD	BMPCDT	-20120430ABR
43	WWRS-TV	MAYVILLE WI	138.1	APP	BPCDT	-20080618ATT
42	WPNE-TV-	GREEN BAY WI	254.1	APP	USERRECORD-01	

Total scenarios = 10

Result key: 13
Scenario 1 Affected station 4

Before Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
 HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	92566	472.0
lost to ATV IX only	92566	472.0
lost to all IX	92566	472.0

Potential Interfering Stations Included in above Scenario 1

41A IL FREEPORT	BMPCDT	20050103AFQ	CP
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
 HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	92706	488.1
lost to ATV IX only	92706	488.1
lost to all IX	92706	488.1

Potential Interfering Stations Included in above Scenario 1

41A IL FREEPORT	BMPCDT	20050103AFQ	CP
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0132%

Result key: 14
Scenario 2 Affected station 4
Before Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
 HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0

lost to additional IX by ATV	92566	472.0
lost to ATV IX only	92566	472.0
lost to all IX	92566	472.0

Potential Interfering Stations Included in above Scenario 2

41A IL FREEPORT	BLCDT	20081223ACE	LIC
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
 HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	92706	488.1
lost to ATV IX only	92706	488.1
lost to all IX	92706	488.1

Potential Interfering Stations Included in above Scenario 2

41A IL FREEPORT	BLCDT	20081223ACE	LIC
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0132%

Result key: 15
 Scenario 3 Affected station 4
 Before Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
 HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	101923	492.1
lost to ATV IX only	101923	492.1
lost to all IX	101923	492.1

Potential Interfering Stations Included in above Scenario 3

41A IL FREEPORT	BMPCDT	20050103AFQ	CP
41A IL FREEPORT	BPRM	20080620AOH	APP

42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BPCDT	20080619AIL	APP
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
 HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	102063	508.3
lost to ATV IX only	102063	508.3
lost to all IX	102063	508.3

Potential Interfering Stations Included in above Scenario 3

41A IL FREEPORT	BMPCDT	20050103AFQ	CP
41A IL FREEPORT	BPRM	20080620AOH	APP
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BPCDT	20080619AIL	APP
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0133%

Result key: 16
 Scenario 4 Affected station 4
 Before Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
 HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	93334	484.1
lost to ATV IX only	93334	484.1
lost to all IX	93334	484.1

Potential Interfering Stations Included in above Scenario 4

41A IL FREEPORT	BMPCDT	20050103AFQ	CP
41A IL FREEPORT	BPRM	20080620AOH	APP
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
 HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	93474	500.2
lost to ATV IX only	93474	500.2
lost to all IX	93474	500.2

Potential Interfering Stations Included in above Scenario 4

41A IL FREEPORT	BMPCDT	20050103AFQ	CP
41A IL FREEPORT	BPRM	20080620AOH	APP
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0132%

Result key: 17
 Scenario 5 Affected station 4
 Before Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
 HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	101155	480.0
lost to ATV IX only	101155	480.0
lost to all IX	101155	480.0

Potential Interfering Stations Included in above Scenario 5

41A IL FREEPORT	BMPCDT	20050103AFQ	CP
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BPCDT	20080619AIL	APP
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
 HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7

not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	101295	496.2
lost to ATV IX only	101295	496.2
lost to all IX	101295	496.2

Potential Interfering Stations Included in above Scenario 5

41A IL FREEPORT	BMPCDT	20050103AFQ	CP
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BPCDT	20080619AIL	APP
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0133%

Result key: 18
 Scenario 6 Affected station 4
 Before Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
 HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	92566	472.0
lost to ATV IX only	92566	472.0
lost to all IX	92566	472.0

Potential Interfering Stations Included in above Scenario 6

41A IL FREEPORT	BMPCDT	20050103AFQ	CP
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
 HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	92706	488.1
lost to ATV IX only	92706	488.1
lost to all IX	92706	488.1

Potential Interfering Stations Included in above Scenario 6

41A IL FREEPORT	BMPCDT	20050103AFQ	CP
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0132%

Result key: 19
Scenario 7 Affected station 4
Before Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	101923	492.1
lost to ATV IX only	101923	492.1
lost to all IX	101923	492.1

Potential Interfering Stations Included in above Scenario 7

41A IL FREEPORT	BLCDT	20081223ACE	LIC
41A IL FREEPORT	BPRM	20080620AOH	APP
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BPCDT	20080619AIL	APP
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	102063	508.3
lost to ATV IX only	102063	508.3
lost to all IX	102063	508.3

Potential Interfering Stations Included in above Scenario 7

41A IL FREEPORT	BLCDT	20081223ACE	LIC
41A IL FREEPORT	BPRM	20080620AOH	APP
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BPCDT	20080619AIL	APP

Before Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC

HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	101155	480.0
lost to ATV IX only	101155	480.0
lost to all IX	101155	480.0

Potential Interfering Stations Included in above Scenario 9

41A IL FREEPORT	BLCDT	20081223ACE	LIC
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BPCDT	20080619AIL	APP
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC

HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	101295	496.2
lost to ATV IX only	101295	496.2
lost to all IX	101295	496.2

Potential Interfering Stations Included in above Scenario 9

41A IL FREEPORT	BLCDT	20081223ACE	LIC
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BPCDT	20080619AIL	APP
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0133%

Result key: 22
Scenario 10 Affected station 4
Before Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC

HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0

lost to additional IX by ATV	92566	472.0
lost to ATV IX only	92566	472.0
lost to all IX	92566	472.0

Potential Interfering Stations Included in above Scenario 10

41A IL FREEPORT	BLCDT	20081223ACE	LIC
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 42A IL ROCKFORD BLCDT 20070404ABY LIC
 HAAT 148.0 m, ATV ERP 900.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1173773	16506.7
not affected by terrain losses	1155003	16377.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	92706	488.1
lost to ATV IX only	92706	488.1
lost to all IX	92706	488.1

Potential Interfering Stations Included in above Scenario 10

41A IL FREEPORT	BLCDT	20081223ACE	LIC
42A IA MASON CITY	BLCDT	20090331ACH	LIC
42A IL SPRINGFIELD	BLCDT	20050627AAI	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0132%

Worst case new IX 0.0133% Scenario 3

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	WNDU-TV	SOUTH BEND IN	BLCDT	-20120514ACQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WICD	CHAMPAIGN IL	222.6	LIC	BLCDT	-20050620AAO
42	WQRF-TV	ROCKFORD IL	256.0	LIC	BLCDT	-20070404ABY
42	WICS	SPRINGFIELD IL	339.1	LIC	BLCDT	-20050627AAI

42	WCLJ-TV	BLOOMINGTON IN	244.8	LIC	BLCDT	-20090616ABL
42	WGGN-TV	SANDUSKY OH	319.4	LIC	BLCDT	-20090309AAV
42	WPNE	GREEN BAY WI	343.9	PLN	DTVPLN	-DTVP1527
43	WCPX-TV	CHICAGO IL	122.3	APP	BPCDT	-20080619AIL
43	WCPX-TV	CHICAGO IL	121.8	LIC	BLCDT	-20010226ABH
42	WPNE-TV-	GREEN BAY WI	343.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	WWSR-TV	MAYVILLE WI	BLCDT	-20050825AEW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	WQRF-TV	ROCKFORD IL	138.1	LIC	BLCDT	-20070404ABY
42	WPNE	GREEN BAY WI	116.0	PLN	DTVPLN	-DTVP1527
43	KFXB-TV	DUBUQUE IA	198.4	LIC	BLCDT	-20090528AEV
43	WCPX-TV	CHICAGO IL	186.1	APP	BPCDT	-20080619AIL
43	WCPX-TV	CHICAGO IL	187.8	LIC	BLCDT	-20010226ABH
44	WLS-TV	CHICAGO IL	187.8	LIC	BLCDT	-20121016ABX
44	WLS-DR	CHICAGO IL	187.8	APP	BPRM	-20090724AEG
42	WPNE-TV-	GREEN BAY WI	116.0	APP	USERRECORD-01	

Total scenarios = 2

Result key: 23
Scenario 1 Affected station 6
Before Analysis

Results for: 43A WI MAYVILLE BLCDT 20050825AEW LIC
HAAT 186.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2046735	17477.4
not affected by terrain losses	2039816	17381.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	151916	548.7
lost to ATV IX only	151916	548.7
lost to all IX	151916	548.7

Potential Interfering Stations Included in above Scenario 1

43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 43A WI MAYVILLE BLCDT 20050825AEW LIC

HAAT 186.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2046735	17477.4
not affected by terrain losses	2039816	17381.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	154752	572.7
lost to ATV IX only	154752	572.7
lost to all IX	154752	572.7

Potential Interfering Stations Included in above Scenario 1

43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.1502%

Result key: 24
Scenario 2 Affected station 6
Before Analysis

Results for: 43A WI MAYVILLE BLCDT 20050825AEV LIC
HAAT 186.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2046735	17477.4
not affected by terrain losses	2039816	17381.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	190457	660.8
lost to ATV IX only	190457	660.8
lost to all IX	190457	660.8

Potential Interfering Stations Included in above Scenario 2

43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BPCDT	20080619AIL	APP
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 43A WI MAYVILLE BLCDT 20050825AEV LIC
HAAT 186.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2046735	17477.4
not affected by terrain losses	2039816	17381.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	193293	684.8
lost to ATV IX only	193293	684.8
lost to all IX	193293	684.8

Potential Interfering Stations Included in above Scenario 2

43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BPCDT	20080619AIL	APP
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.1534%

Worst case new IX 0.1534% Scenario 2

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	WQRS-TV	MAYVILLE WI	BMPCDT	-20120430ABR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	WQRF-TV	ROCKFORD IL	138.1	LIC	BLCDT	-20070404ABY
42	WPNE	GREEN BAY WI	116.0	PLN	DTVPLN	-DTVP1527
43	KFXB-TV	DUBUQUE IA	198.4	LIC	BLCDT	-20090528AEV
43	WCPX-TV	CHICAGO IL	186.1	APP	BPCDT	-20080619AIL
43	WCPX-TV	CHICAGO IL	187.8	LIC	BLCDT	-20010226ABH
44	WLS-TV	CHICAGO IL	187.8	LIC	BLCDT	-20121016ABX
44	WLS-DR	CHICAGO IL	187.8	APP	BPRM	-20090724AEG
42	WPNE-TV-	GREEN BAY WI	116.0	APP	USERRECORD-01	

Total scenarios = 2

Result key: 25
Scenario 1 Affected station 7
Before Analysis

Results for: 43A WI MAYVILLE BMPCDT 20120430ABR CP
HAAT 186.0 m, ATV ERP 600.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2118824	18236.5
not affected by terrain losses	2095289	18108.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	187235	668.8
lost to ATV IX only	187235	668.8
lost to all IX	187235	668.8

Potential Interfering Stations Included in above Scenario 1

43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 43A WI MAYVILLE BMPCDT 20120430ABR CP
HAAT 186.0 m, ATV ERP 600.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2118824	18236.5
not affected by terrain losses	2095289	18108.3
lost to NTSC IX	0	0.0

lost to additional IX by ATV	187639	692.8
lost to ATV IX only	187639	692.8
lost to all IX	187639	692.8

Potential Interfering Stations Included in above Scenario 1

43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0212%

Result key: 26
 Scenario 2 Affected station 7
 Before Analysis

Results for: 43A WI MAYVILLE BMPCDT 20120430ABR CP
 HAAT 186.0 m, ATV ERP 600.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2118824	18236.5
not affected by terrain losses	2095289	18108.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	231823	704.8
lost to ATV IX only	231823	704.8
lost to all IX	231823	704.8

Potential Interfering Stations Included in above Scenario 2

43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BPCDT	20080619AIL	APP
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 43A WI MAYVILLE BMPCDT 20120430ABR CP
 HAAT 186.0 m, ATV ERP 600.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2118824	18236.5
not affected by terrain losses	2095289	18108.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	232227	728.8
lost to ATV IX only	232227	728.8
lost to all IX	232227	728.8

Potential Interfering Stations Included in above Scenario 2

43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BPCDT	20080619AIL	APP
42A WI GREEN BAY	USERRECORD01		APP

Percent new IX = 0.0217%

Worst case new IX 0.0217% Scenario 2

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
43	WWRs-TV	MAYVILLE WI	BPCDT	-20080618ATT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	WQRF-TV	ROCKFORD IL	138.1	LIC	BLCDT	-20070404ABY
42	WPNE	GREEN BAY WI	116.0	PLN	DTVPLN	-DTVP1527
43	KFXB-TV	DUBUQUE IA	198.4	LIC	BLCDT	-20090528AEV
43	WCPX-TV	CHICAGO IL	186.1	APP	BPCDT	-20080619AIL
43	WCPX-TV	CHICAGO IL	187.8	LIC	BLCDT	-20010226ABH
44	WLS-TV	CHICAGO IL	187.8	LIC	BLCDT	-20121016ABX
44	WLS-DR	CHICAGO IL	187.8	APP	BPRM	-20090724AEG
42	WPNE-TV-	GREEN BAY WI	116.0	APP	USERRECORD-01	

Total scenarios = 2

Result key: 27
 Scenario 1 Affected station 8
 Before Analysis

Results for: 43A WI MAYVILLE BPCDT 20080618ATT APP
 HAAT 200.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2138066	19320.3
not affected by terrain losses	2137291	19284.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	156987	929.0
lost to ATV IX only	156987	929.0
lost to all IX	156987	929.0

Potential Interfering Stations Included in above Scenario 1

43A IA DUBUQUE	BLCDT	20090528AEV	LIC
43A IL CHICAGO	BLCDT	20010226ABH	LIC
42A WI GREEN BAY	DTVPLN	DTVP1527	PLN

After Analysis

Results for: 43A WI MAYVILLE BPCDT 20080618ATT APP
 HAAT 200.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2138066	19320.3
not affected by terrain losses	2137291	19284.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	157260	953.0
lost to ATV IX only	157260	953.0
lost to all IX	157260	953.0

Potential Interfering Stations Included in above Scenario 1

43A IA DUBUQUE BLCDT 20090528AEV LIC
 43A IL CHICAGO BLCDT 20010226ABH LIC
 42A WI GREEN BAY USERRECORD01 APP

Percent new IX = 0.0138%

Result key: 28
 Scenario 2 Affected station 8
 Before Analysis

Results for: 43A WI MAYVILLE BPCDT 20080618ATT APP
 HAAT 200.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2138066	19320.3
not affected by terrain losses	2137291	19284.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	178667	973.0
lost to ATV IX only	178667	973.0
lost to all IX	178667	973.0

Potential Interfering Stations Included in above Scenario 2

43A IA DUBUQUE BLCDT 20090528AEV LIC
 43A IL CHICAGO BPCDT 20080619AIL APP
 42A WI GREEN BAY DTVPLN DTVP1527 PLN

After Analysis

Results for: 43A WI MAYVILLE BPCDT 20080618ATT APP
 HAAT 200.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2138066	19320.3
not affected by terrain losses	2137291	19284.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	178940	997.0
lost to ATV IX only	178940	997.0
lost to all IX	178940	997.0

Potential Interfering Stations Included in above Scenario 2

43A IA DUBUQUE BLCDT 20090528AEV LIC
 43A IL CHICAGO BPCDT 20080619AIL APP
 42A WI GREEN BAY USERRECORD01 APP

Percent new IX = 0.0139%

Worst case new IX 0.0139% Scenario 2

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Channel Call City/State Application Ref. No.
 42 WPNE-TV- GREEN BAY WI USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	WGBA-TV	GREEN BAY WI	5.9	LIC	BLCDT	-20080813ADO
41	WGBA-TV	GREEN BAY WI	5.9	CP MOD	BMPCDT	-20080620AEI
42	KIMT	MASON CITY IA	390.6	LIC	BLCDT	-20090331ACH
42	WQRF-TV	ROCKFORD IL	254.1	LIC	BLCDT	-20070404ABY
42	WNDU-TV	SOUTH BEND IN	343.9	LIC	BLCDT	-20120514ACQ
43	WWRP-TV	MAYVILLE WI	116.0	LIC	BLCDT	-20050825AEW
43	WWRP-TV	MAYVILLE WI	116.0	CP MOD	BMPCDT	-20120430ABR
43	WWRP-TV	MAYVILLE WI	116.0	APP	BPCDT	-20080618ATT

Total scenarios = 6

Result key: 29
 Scenario 1 Affected station 9
 Before Analysis

Results for: 42A WI GREEN BAY USERRECORD01 APP
 HAAT 373.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069422	26991.5
not affected by terrain losses	1068454	26963.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1741	120.8
lost to ATV IX only	1741	120.8
lost to all IX	1741	120.8

Potential Interfering Stations Included in above Scenario 1

41A WI GREEN BAY	BLCDT	20080813ADO	LIC
42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A WI MAYVILLE	BLCDT	20050825AEW	LIC

Result key: 30
 Scenario 2 Affected station 9
 Before Analysis

Results for: 42A WI GREEN BAY USERRECORD01 APP
 HAAT 373.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069422	26991.5
not affected by terrain losses	1068454	26963.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2160	140.9
lost to ATV IX only	2160	140.9
lost to all IX	2160	140.9

Potential Interfering Stations Included in above Scenario 2

41A WI GREEN BAY	BLCDT	20080813ADO	LIC
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42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A WI MAYVILLE	BMPCDT	20120430ABR	CP

Result key: 31
 Scenario 3 Affected station 9
 Before Analysis

Results for: 42A WI GREEN BAY USERRECORD01 APP
 HAAT 373.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069422	26991.5
not affected by terrain losses	1068454	26963.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6009	201.3
lost to ATV IX only	6009	201.3
lost to all IX	6009	201.3

Potential Interfering Stations Included in above Scenario 3

41A WI GREEN BAY	BMPCDT	20080620AEI	CP
42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A WI MAYVILLE	BLCDT	20050825AEW	LIC

Result key: 32
 Scenario 4 Affected station 9
 Before Analysis

Results for: 42A WI GREEN BAY USERRECORD01 APP
 HAAT 373.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069422	26991.5
not affected by terrain losses	1068454	26963.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6428	221.4
lost to ATV IX only	6428	221.4
lost to all IX	6428	221.4

Potential Interfering Stations Included in above Scenario 4

41A WI GREEN BAY	BMPCDT	20080620AEI	CP
42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A WI MAYVILLE	BMPCDT	20120430ABR	CP

Result key: 33
 Scenario 5 Affected station 9
 Before Analysis

Results for: 42A WI GREEN BAY USERRECORD01 APP
 HAAT 373.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069422	26991.5
not affected by terrain losses	1068454	26963.3
lost to NTSC IX	0	0.0

lost to additional IX by ATV	4139	229.5
lost to ATV IX only	4139	229.5
lost to all IX	4139	229.5

Potential Interfering Stations Included in above Scenario 5

41A WI GREEN BAY	BLCDT	20080813ADO	LIC
42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A WI MAYVILLE	BPCDT	20080618ATT	APP

Result key: 34
Scenario 6 Affected station 9
Before Analysis

Results for: 42A WI GREEN BAY USERRECORD01 APP
HAAT 373.0 m, ATV ERP 300.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1069422	26991.5
not affected by terrain losses	1068454	26963.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8407	310.0
lost to ATV IX only	8407	310.0
lost to all IX	8407	310.0

Potential Interfering Stations Included in above Scenario 6

41A WI GREEN BAY	BMPCDT	20080620AEI	CP
42A IL ROCKFORD	BLCDT	20070404ABY	LIC
42A IN SOUTH BEND	BLCDT	20120514ACQ	LIC
43A WI MAYVILLE	BPCDT	20080618ATT	APP

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